

Selection & Specification Data

Generic Type A single package, solvent-based intumescent coating for the fire protection of structural steel.

Description Nullifire S606 Basecoat is designed to fireproof steelwork for up to 3 hours fire rating, depending on the design. The recommended use for this product is fireproofing of steel beams, columns, tubes, and pipes.

- Features**
- U.L.I. listed – designs for many types of steel section up to 3 hours fire rating for both interior ratings: (1) general or (2) conditioned space purposes
 - Decorative Finish – Gives a smooth and decorative finish. Compatible topcoat available in a wide range of colors.
 - Durable finish – Provides a hard dust free surface resistant to normal wear
 - Thin film coating – Offers an economical solution to alternative fireproofing
 - VOC compliant
 - Easy repair – If damaged it can be repaired easily with Nullifire S Filler

Primers Nullifire S606 Basecoat should be applied over a compatible primer. A number of primers have been tested as compatible as listed below:

- | | |
|------------------------------|-------------------|
| Carboguard® 888 | Carbocoat® 115 SG |
| Carboguard® 893 | Carbocoat 150 |
| Carboguard 1340 | Carbocrylic® 120 |
| Carbozinc® 11 | Nullifire® S620* |
| Carbozinc® 859 | Carbomastic® 15 |
| Rustbond Penetrating Sealer® | |

*Made to order only

If the steel has already been coated with another primer, refer to Carboline Technical Service for advice before applying the Nullifire S606. Nullifire S606 should not be applied over chlorinated rubber or bitumen-type primers. Surface preparation should be carried out in accordance with the application instructions for the selected primers.

Selection & Specification Data (cont.)

Topcoats For interior “conditioned purpose” use, topcoats are optional. For interior “general space” use, topcoats are required. Once the S606 Basecoat has been applied to the specified DFT and is fully dry, it must be sealed with Carboguard 1340 and then finish coated with either Carbocrylic 3359®, Carbothane® 133 HB or Carbothane® 133 VOC. The choice of topcoat will depend on project requirements. For other options contact Carboline Technical Service.

Dry Film Thickness Typical DFT is between 20-292 mils

Limitations Not recommended for exterior use or for steelwork subject to long-term surface temperatures over 140°F (60°C) in normal use.

Physical Data (Typical Values)

| | |
|-----------------------------|---|
| S606 Color | Pale pink |
| Specific Gravity | 1.37 |
| Volume Solids | 67% |
| V.O.C. (EPA Method 24) | 2.49 lbs/gallon |
| W.P.G. | 11.40 lbs. |
| Durometer Hardness | Shore D: 70 (fully cured) Shore D: 25 (for topcoating) |
| Film Build (Spray) | 40 mils (wet), 27 mils (dry) |
| Film Build (Brush) | 15 mils (wet), 10 mils (dry) |
| Flash Point | 86° F |
| Drying Time (between coats) | 24 hrs at 50°F |

Test reports and additional data available upon written request.

Nullifire® S606

Approvals

UNDERWRITERS LABORATORY, INC.

Nullifire S606 has been tested in accordance with ASTM E-119 in the Underwriter's Laboratory, Inc. It is listed by U.L.I. and U.L.C. for the following designs:

| <u>Design Number</u> | <u>(ULI)</u> |
|----------------------|-----------------------------------|
| X632 | Wide flange columns |
| X633 | Tube columns |
| X634 | Pipe columns |
| N610 | Restrained and unrestrained Beams |
| D785 | Beams (Protected Deck) |
| D936 | Beams (Unprotected Deck) |

The product should be applied in accordance with the appropriate design.

CITY OF NEW YORK – DEPT. OF BUILDINGS

Nullifire S606 has been found acceptable for use in Class I and Class II Buildings in accordance with the following report numbers:

| | |
|--------------|---------------------|
| MEA 174-00-M | Beams |
| MEA 175-00-M | Beams |
| MEA 97-00-M | Columns/Tubes/Pipes |

CITY OF LOS ANGELES – DEPT. OF BUILDING & SAFETY RESEARCH

Report: RR25464

Packaging, Handling & Storage

| | |
|--------------------------------------|--|
| Shipping Weight (Approximate) | Weight per gallon is 12 lbs. Weight per 5 gallons is 60 lbs. Weight per truckload is 45,000 lbs. |
| Storage (General) | Store indoors in a dry environment. |
| Storage Temperature | 32°F (0°C) – 105°F (40°C) |
| Shelf Life | Min. 18 months |

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**



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